

KOKAI (Japanese Unexamined Patent Publication) No. 63-20790
Title of the Invention: Floppy disk system

Publication date: January 28, 1988

Patent Application No. 61-165916

Filing Date: July 14, 1986

Applicant: Nippon Electric Co., Ltd.

No. 1, Shiba 5-chome 33, Minato-ku, Tokyo

RECEIVED

AUG 01 2002

Technology Center 2100

SPECIFICATION

1. Title of the Invention

Floppy disk system

2. Scope of Claim for a Patent

A floppy disk system comprising a floppy disk medium having built therein a ROM readable from outside and storing the information for using the data stored on a magnetic storage surface, and a floppy disk device having built therein an interface circuit for reading the data stored in said ROM under the control of a host system and sending said data to said host system.

3. Detailed Description of the Invention

[Industrial Field of Utilization]

The present invention relates to a floppy disk system mounted in an information processing system or the like.

[Prior Art]

In the conventional floppy disk system of this type, data are stored only on the magnetic storage surface of a floppy disk medium.

[Problem to be Solved by the Invention]

The conventional floppy disk system described above, in which data are stored only on the magnetic storage surface of a floppy disk medium, has the disadvantage that the data stored in a given floppy disk medium can be easily duplicated by reading the data and writing them in another floppy disk medium.

[Means for Solving the Problem]

The floppy disk system according to this invention

comprises a floppy disk medium built therein a ROM readable from outside and storing the information for using the data stored on the magnetic storage surface, and a floppy disk device built therein an interface circuit for reading the data stored in the ROM under the control of a host system and sending the data to the host system.

[Embodiment]

Next, an embodiment of the invention will be explained with reference to the drawing.

Fig. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention.

This floppy disk system is configured by a floppy disk medium 3 built therein a ROM 30 for storing a key word required for using the data stored on a magnetic storage surface, and a floppy disk device 2 having an interface circuit 20.

The host system 1 controls the interface circuit 20 built in the floppy disk device 2 so that the key word stored in the ROM 30 built in the floppy disk medium 3 is read from the ROM 30, thereby making it possible to use the floppy disk medium 3.

[Effects of the Invention]

As described above, according to this invention, a key word or the like required for using the data stored on the magnetic storage surface of a floppy disk medium is stored in a ROM. By this, it is useless to copy only the data stored on the magnetic storage surface to a floppy disk medium having another ROM storing different data. As a result, the invention has the effect that an illegal copy can be prevented.

1. Brief Description of the Drawing

Fig. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention

- 1.....Host system
- 2.....Floppy disk device
- 3.....Floppy disk medium

20.....Interface circuit
30.....ROM

(Fig. 1)

1 Host system
2 Floppy disk device
20 Interface circuit
3 Floppy disk medium

このフロッピーディスクシステムは、磁気記憶面に格納されたデータを使用するのに必要なキーワードを記憶しているROM30を内蔵したフロッピーディスク媒体3と、インタフェース回路20を有するフロッピーディスク装置2から構成されている。

上位装置1は、フロッピーディスク装置2に内蔵されたインタフェース回路20を制御することにより、フロッピーディスク媒体3に内蔵されたROM30より、ROMに格納されたキーワードを読み出し、フロッピーディスク媒体3を使用することができる。

(発明の効果)

以上説明したように本発明は、フロッピーディスク媒体の磁気記憶面に格納されたデータを使用するのに必要なキーワード等をROMに格納することにより、磁気記憶面に格納されたデータのみを、他のROMに格納されたデータの異なるフロッピーディスク媒体に複製しても役に立たない、すなわち不法コピー等を防げる効果がある。

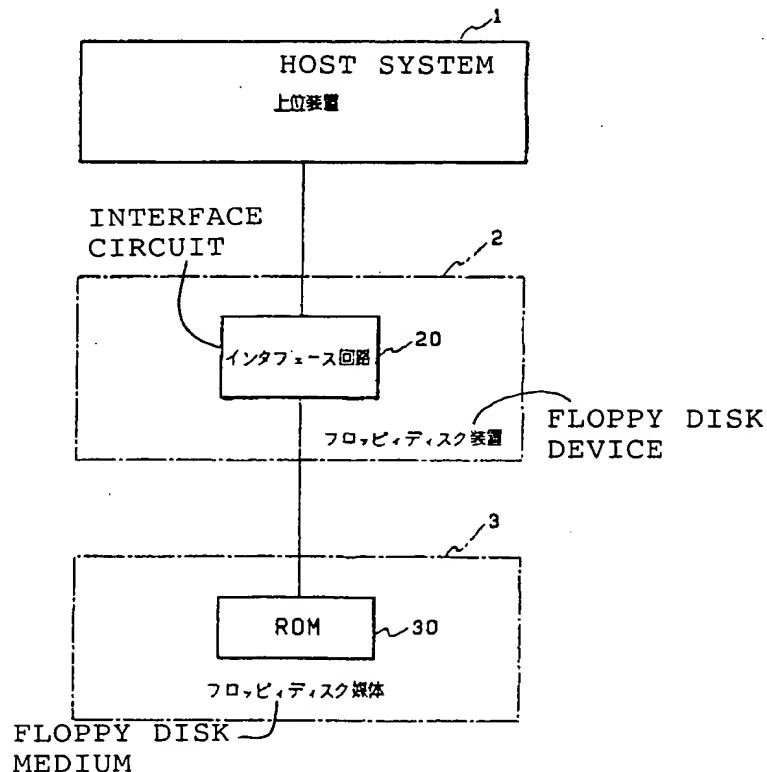
4. 図面の簡単な説明

第1図は本発明のフロッピーディスクシステムの一実施例のブロック図である。

- 1…上位装置、
- 2…フロッピーディスク装置、
- 3…フロッピーディスク媒体、
- 20…インタフェース回路、
- 30…ROM。

特許出願人 日本電気株式会社
代理人 弁理士 内原 晋

FIG. 1 is a block diagram showing one embodiment of a floppy disk system according to the present invention



第 1 図
FIG. 1